

In the Claims:

A compilation of all claims is provided below:

Claims 1-58 (Cancelled)

59. (Previously Amended) An elongated bone implant for use in spinal fusions, said bone implant comprising a section of bone that comprises a substantially planar upper surface and a substantially planar lower surface that is opposite said substantially planar upper surface, an anterior end and a posterior end opposite said anterior end, a first side wall and a second side wall opposite said first side wall, wherein said first side wall and said second side wall extend between said substantially planar upper surface and said substantially planar lower surface, and wherein said second side wall defines either a concave surface or both linear and concave surfaces.

60. (Original) The elongated bone implant of claim 59, wherein said first side wall defines a convex surface.

61. (Original) The elongated bone implant of claim 59, wherein said elongated bone implant is comprised of autograft, allograft, or xenograft cortical or cancellous bone.

87. { 62. (Original) The elongated bone implant of claim 59, wherein said anterior end has a dimension of about 4 mm to about 5 mm coursing from said first side wall to second side wall.

63. (Original) The elongated bone implant of claim 59, wherein said posterior end has a dimension of about 4 mm to about 6 mm coursing from said first side wall to second side wall.

64. (Original) The elongated bone implant of claim 59, wherein said concave surface has a curvature relating to an angle of about 60 degrees to about 75 degrees.

65. (Previously Amended) The elongated bone implant of claim 59, wherein said substantially planar upper surface and said substantially planar lower surface, or both are machined to display a rough, ridged or grooved surface to aid in preventing said bone implant from moving out of place.

66. (Previously Amended) The elongated bone implant of claim 65, wherein said substantially planar upper surface and said substantially planar lower surface are machined to display ridges that are configured to prevent sliding of said bone implant back toward the direction from which said bone implant is inserted.

67. (Original) The elongated bone implant of claim 59, further comprising an instrument attachment hole positioned at said posterior end, wherein said hole extends toward said anterior end.

68. (Original) The elongated bone implant of claim 59, wherein said bone implant is about 20 mm to about 26 mm in length from said anterior end to said posterior end.

69. (Original) A method of fusing a first vertebra to a second vertebra comprising distracting said first and second vertebrae; removing a portion of an intervertebral disc positioned between said first and second vertebrae thereby creating a space, and implanting an elongated bone implant according to claim 1 into said space, wherein said elongated bone implant is positioned such that said second side wall faces inwardly.

70. (Previously Amended) A method of fusing a first vertebra to a second vertebra in